

Data File : BF100452.D
Acq On : 11 Nov 2017 20:24
Operator : SJ/JU
Sample : I6396-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LS-CONCRETE

Quant Time: Nov 13 01:12:23 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 10 15:44:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	141504	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	503522	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	189441	20.00	ng	0.00
63) Phenanthrene-d10	11.43	188	305257	20.00	ng	0.00
75) Chrysene-d12	14.06	240	293215	20.00	ng	0.00
86) Perylene-d12	15.55	264	210597	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	902993	102.29	ng	0.01
7) Phenol-d6	6.53	99	1121148	102.99	ng	0.00
23) Nitrobenzene-d5	7.46	82	686102	90.09	ng	0.00
41) 2,4,6-Tribromophenol	10.73	330	184781	95.72	ng	0.00
44) 2-Fluorobiphenyl	9.26	172	1166551	93.77	ng	0.00
78) Terphenyl-d14	13.01	244	909670	71.28	ng	0.00

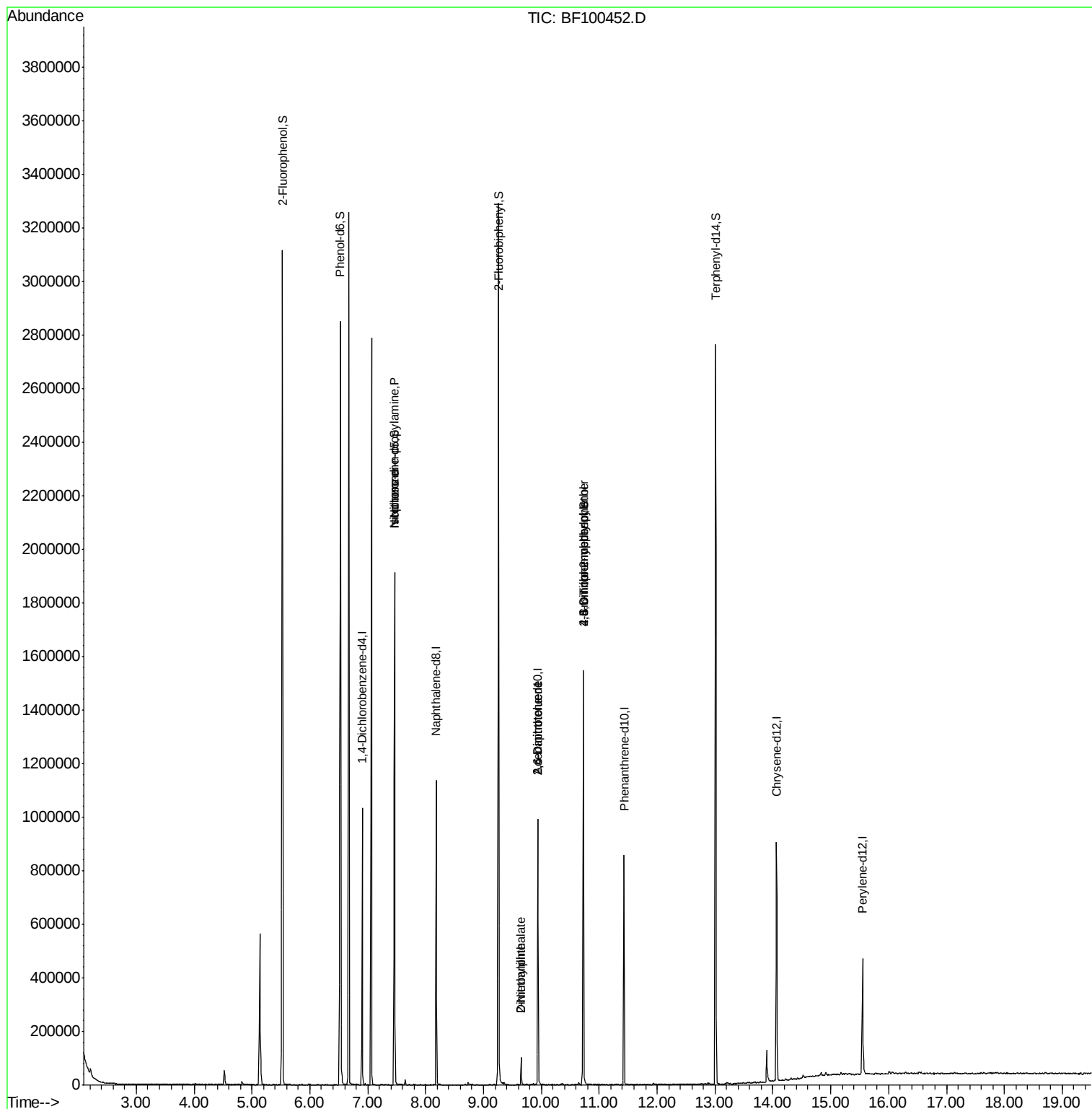
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.46	70	90211	11.95	ng	# 83
25) Isophorone	7.46	82	683350	42.70	ng	# 64
47) 2-Nitroaniline	9.65	65	274	2.86	ng	# 1
49) Dimethylphthalate	9.65	163	46304	3.20	ng	98
50) 2,6-Dinitrotoluene	9.94	165	23515	8.21	ng	# 26
56) 2,4-Dinitrotoluene	9.94	165	23515	6.51	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.73	198	145	8.65	ng	# 1
66) 4-Bromophenyl-phenylether	10.73	248	11578	3.54	ng	# 1

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 819

Delta R.T. -0.00 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

Instrument :

BNA_F

ClientSampleId :

LS-CONCRETE

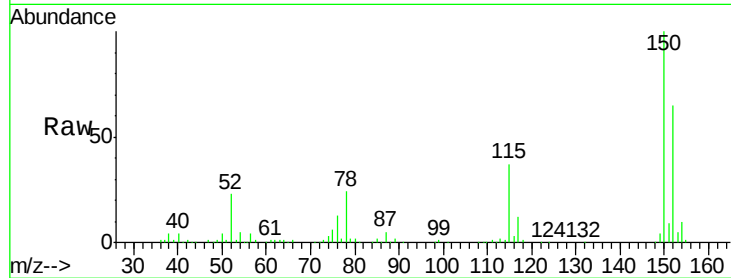
Tgt Ion:152 Resp: 141504

Ion Ratio Lower Upper

152 100

150 153.6 124.6 186.8

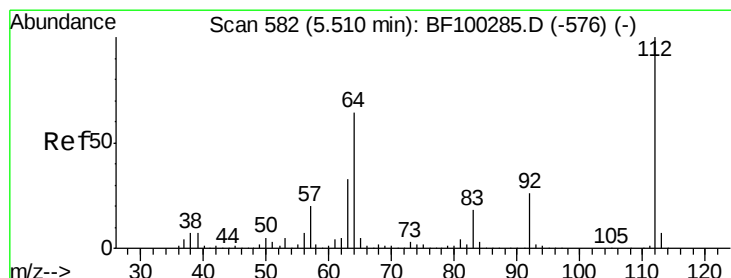
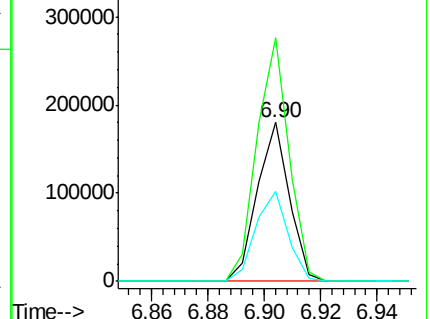
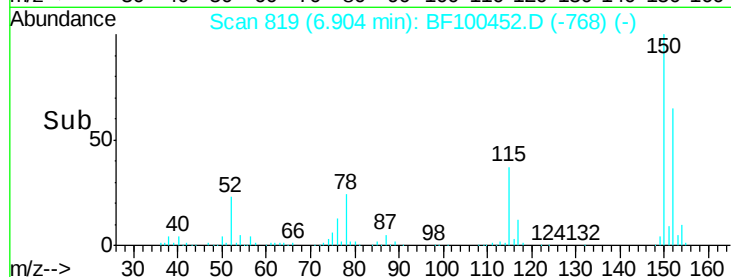
115 56.7 50.1 75.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 102.29 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.01 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

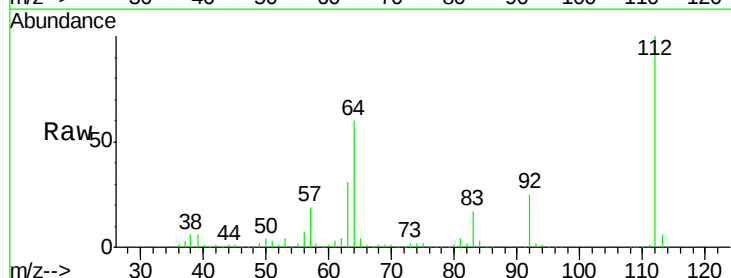
Tgt Ion:112 Resp: 902993

Ion Ratio Lower Upper

112 100

64 59.5 47.9 71.9

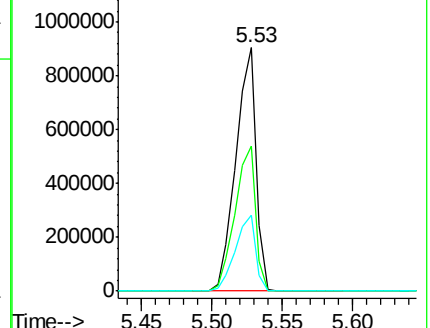
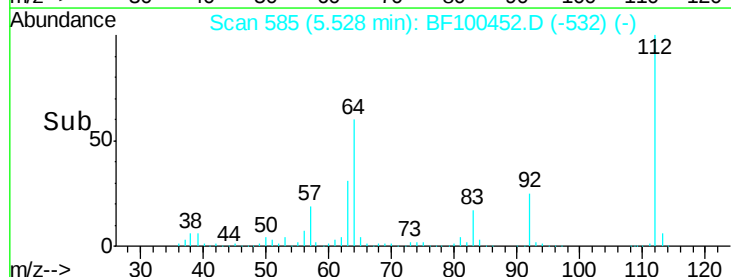
63 31.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.99 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.00 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

Instrument :

BNA_F

ClientSampleId :

LS-CONCRETE

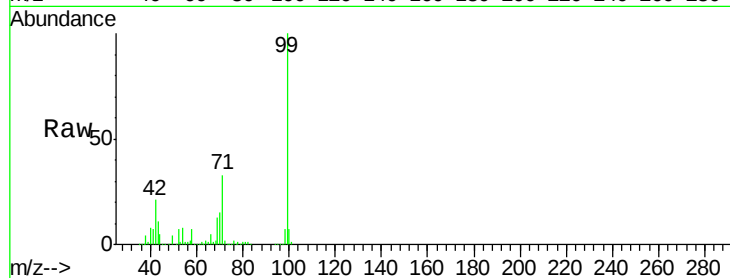
Tgt Ion: 99 Resp: 1121148

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

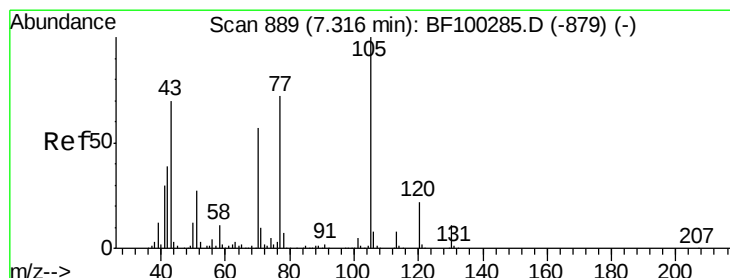
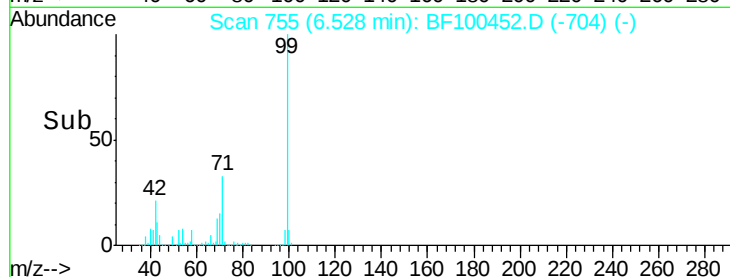
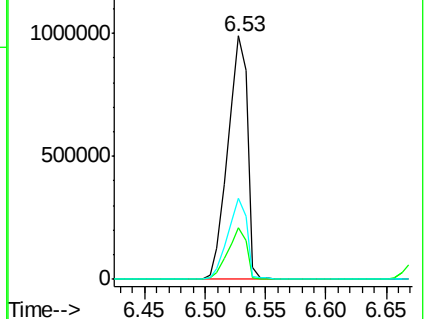
71 33.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.95 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.15 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

Tgt Ion: 70 Resp: 90211

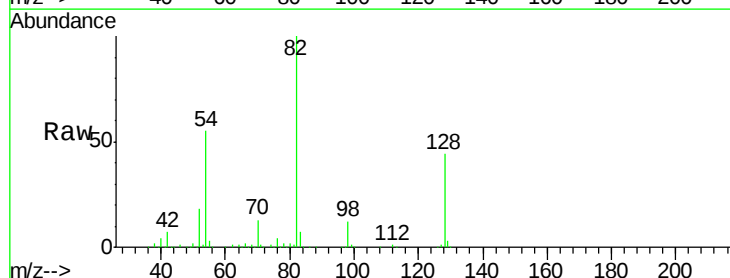
Ion Ratio Lower Upper

70 100

42 53.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

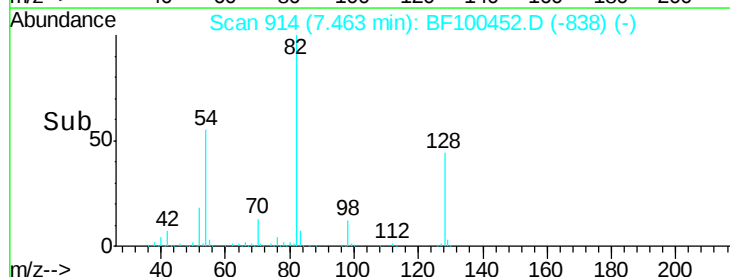
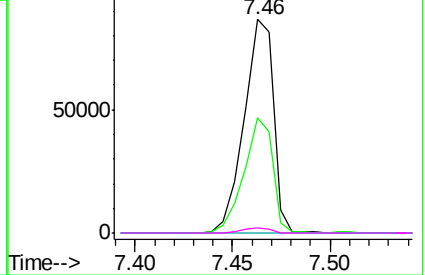


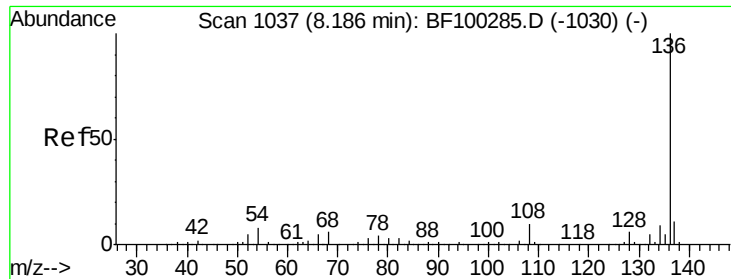
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

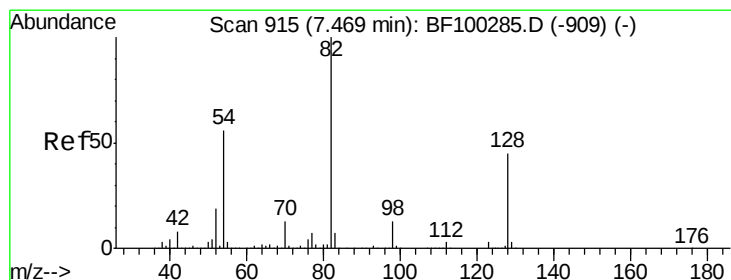
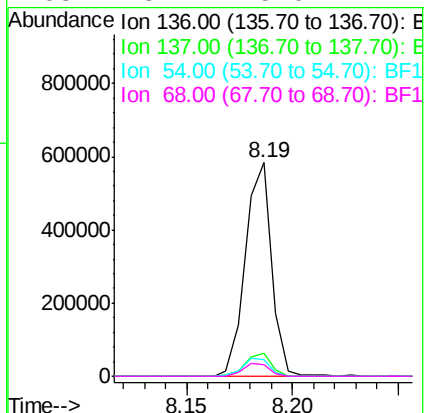
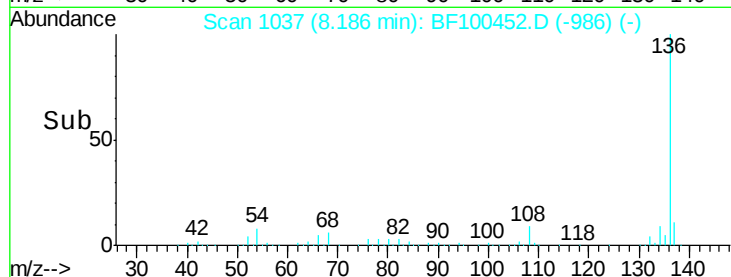
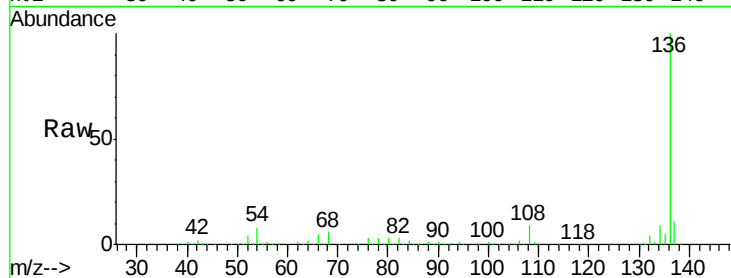




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

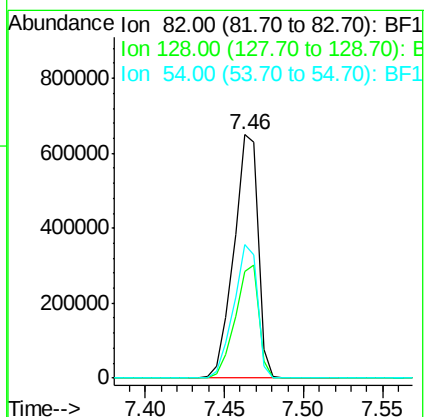
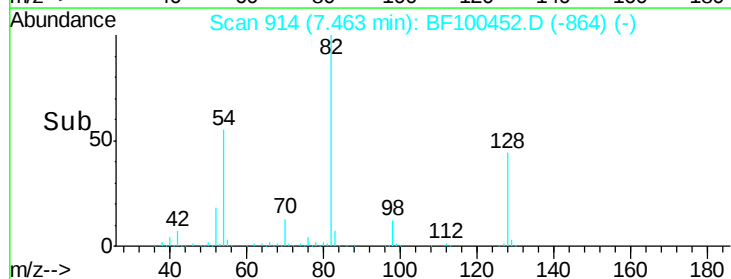
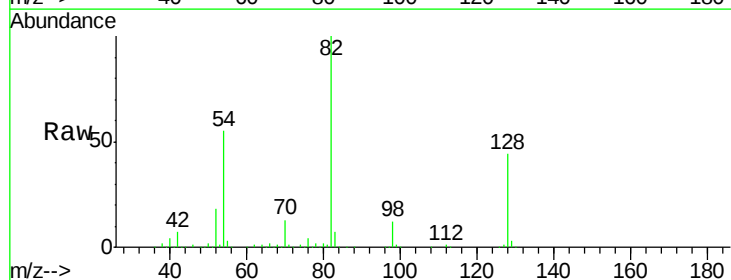
Instrument :
BNA_F
ClientSampleId :
LS-CONCRETE

Tgt Ion:	136	Resp:	503522
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.1	6.6	9.8
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 90.09 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.01 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

Tgt Ion:	82	Resp:	686102
Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	54.7	41.4	62.2





#25

Isophorone

Concen: 42.70 ng

RT: 7.46 min Scan# 914

Delta R.T. -0.26 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

Instrument :

BNA_F

ClientSampleId :

LS-CONCRETE

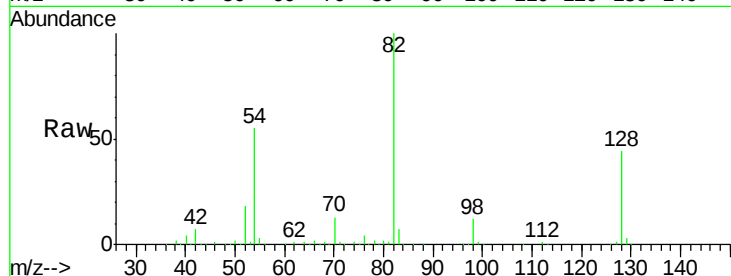
Tgt Ion: 82 Resp: 683350

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

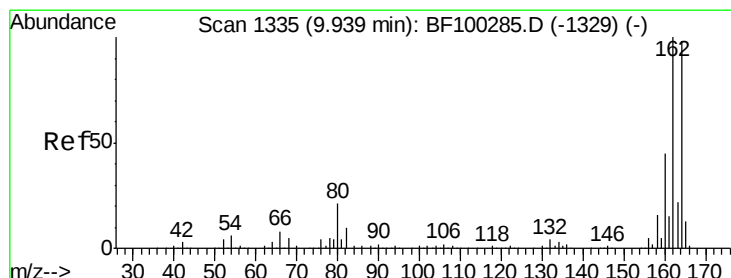
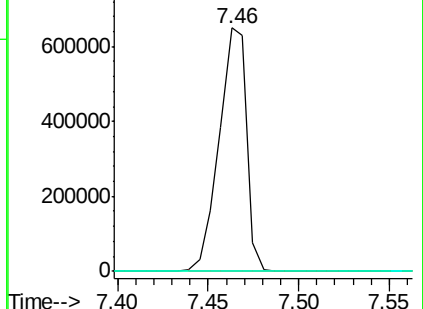
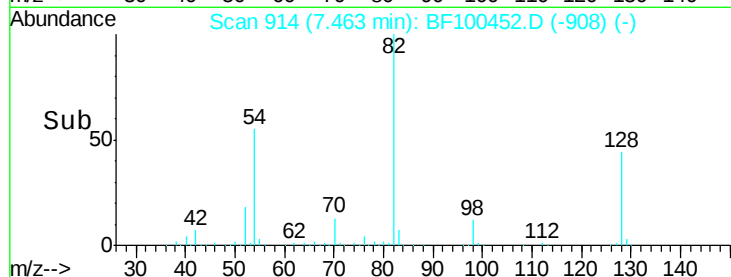
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

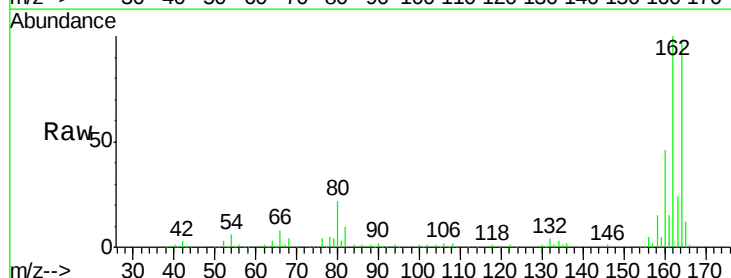
Tgt Ion: 164 Resp: 189441

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

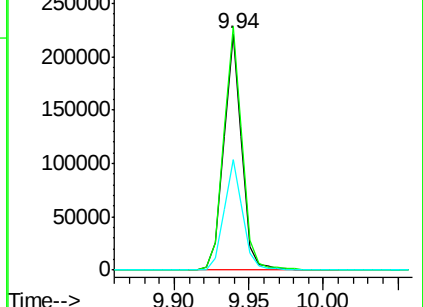
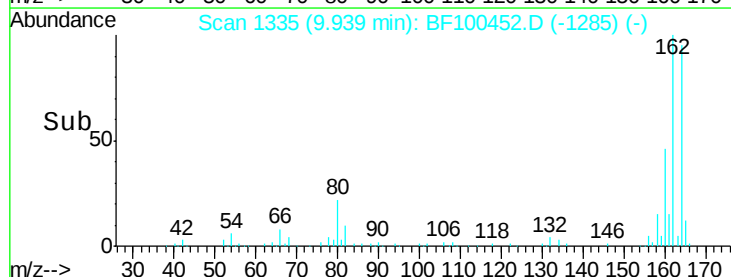
160 47.1 38.3 57.5

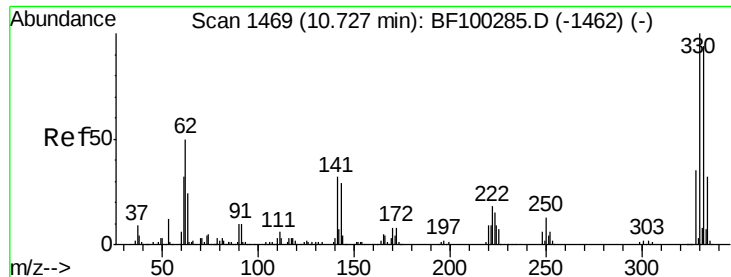


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

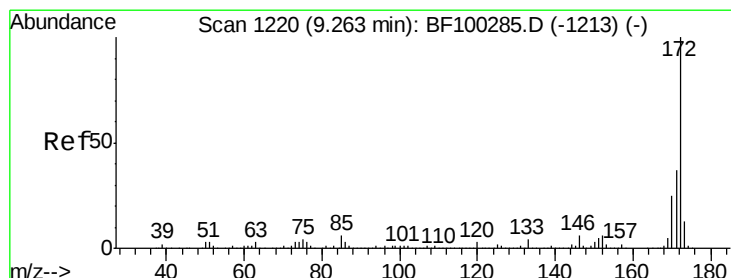
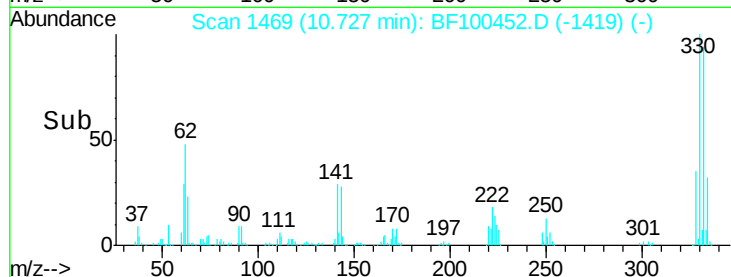
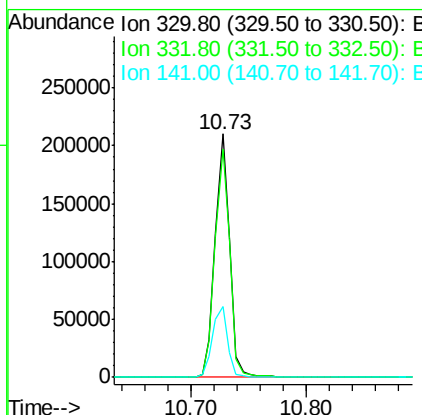
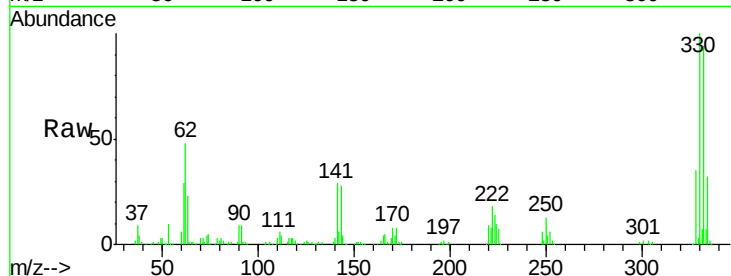




#41
 2,4,6-Tribromophenol
 Concen: 95.72 ng
 RT: 10.73 min Scan# 1469
 Delta R.T. -0.01 min
 Lab File: BF100452.D
 Acq: 11 Nov 2017 20:24

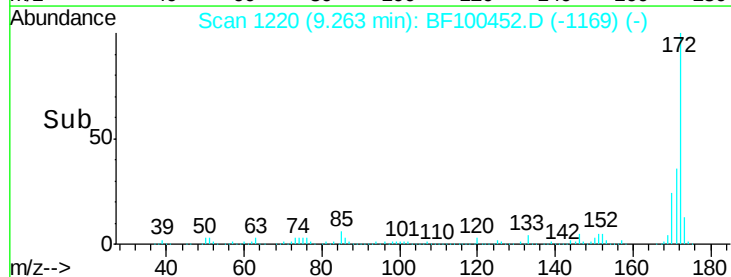
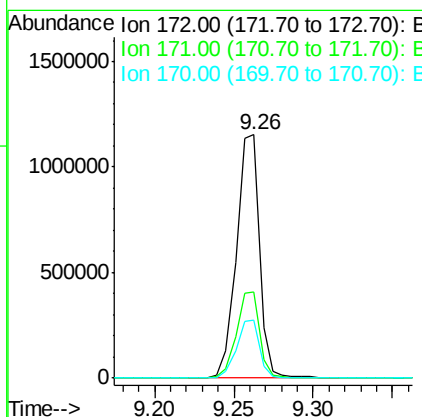
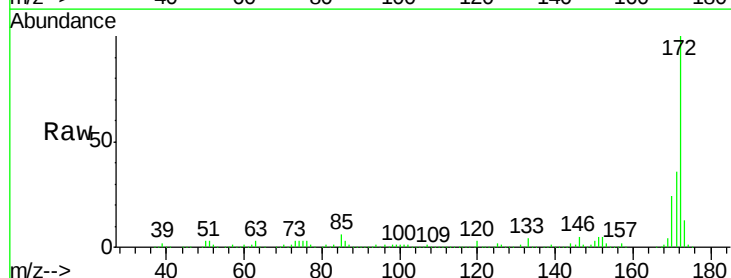
Instrument :
 BNA_F
 ClientSampleId :
 LS-CONCRETE

Tgt Ion:330 Resp: 184781
 Ion Ratio Lower Upper
 330 100
 332 95.8 77.0 115.6
 141 30.3 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 93.77 ng
 RT: 9.26 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: BF100452.D
 Acq: 11 Nov 2017 20:24

Tgt Ion:172 Resp: 1166551
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.9 19.6 29.4

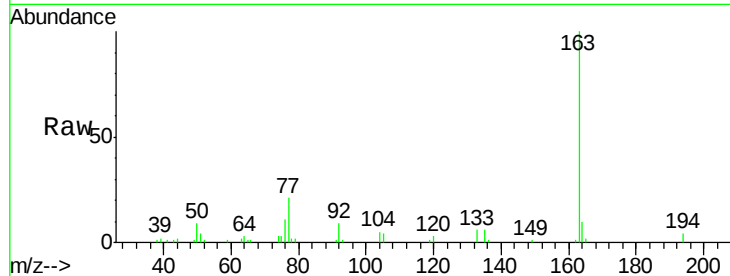




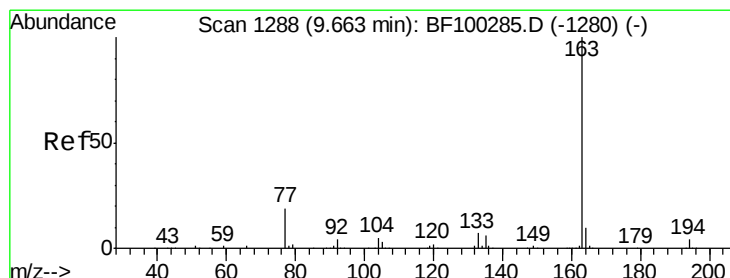
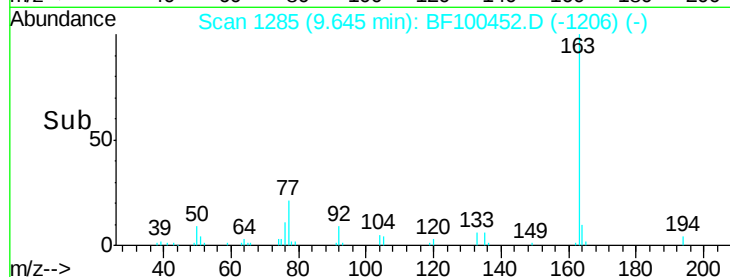
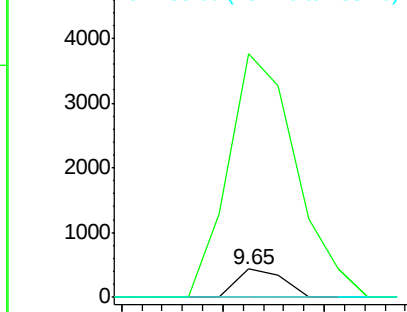
#47
2-Nitroaniline
Concen: 2.86 ng
RT: 9.65 min Scan# 1285
Delta R.T. 0.16 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

Instrument :
BNA_F
ClientSampleId :
LS-CONCRETE

Tgt Ion: 65 Resp: 274
Ion Ratio Lower Upper
65 100
92 858.2 55.8 83.6#
138 0.0 91.2 136.8#

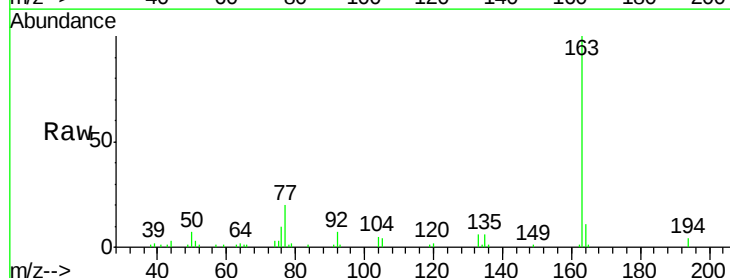


Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

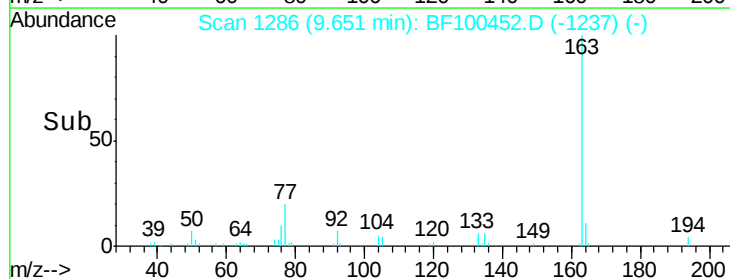
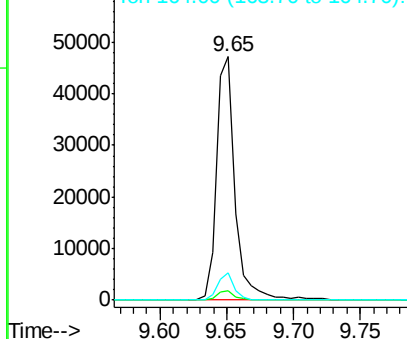


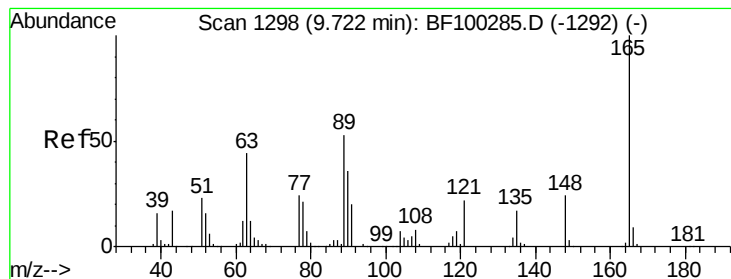
#49
Dimethylphthalate
Concen: 3.20 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

Tgt Ion: 163 Resp: 46304
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 11.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.21 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.22 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

Instrument :

BNA_F

ClientSampleId :

LS-CONCRETE

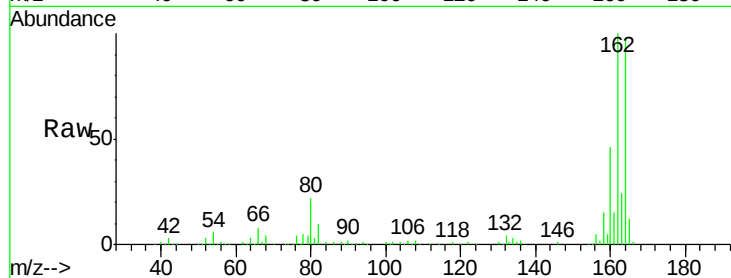
Tgt Ion:165 Resp: 23515

Ion Ratio Lower Upper

165 100

63 1.4 44.7 67.1#

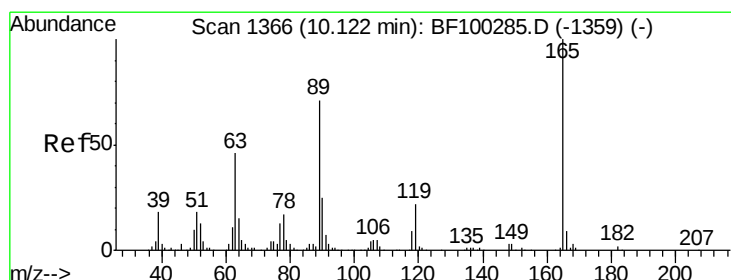
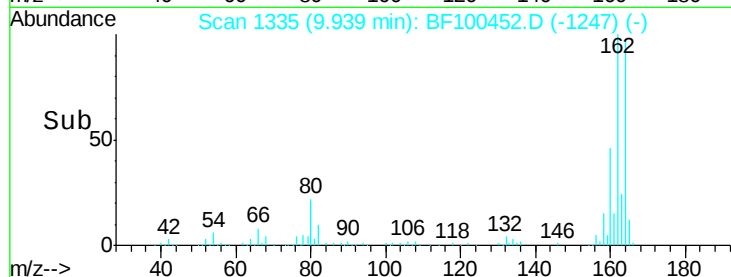
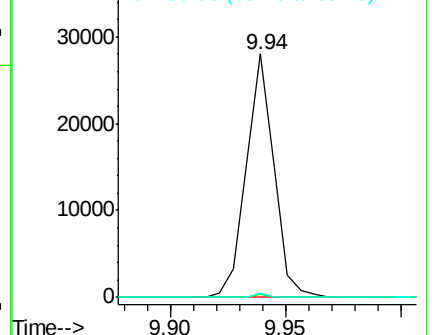
89 1.7 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56

2,4-Dinitrotoluene

Concen: 6.51 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.19 min

Lab File: BF100452.D

Acq: 11 Nov 2017 20:24

Tgt Ion:165 Resp: 23515

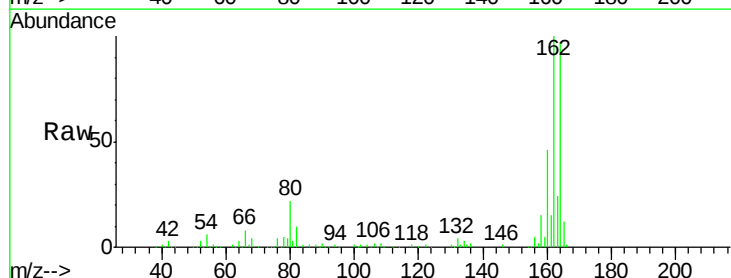
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

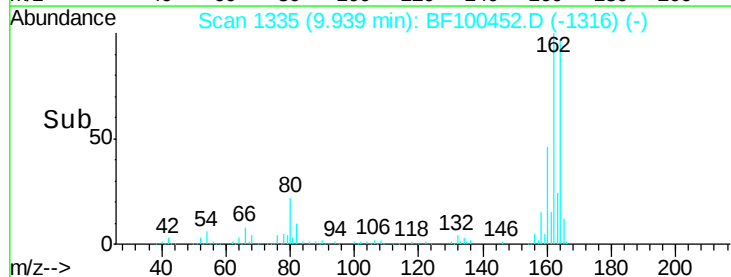
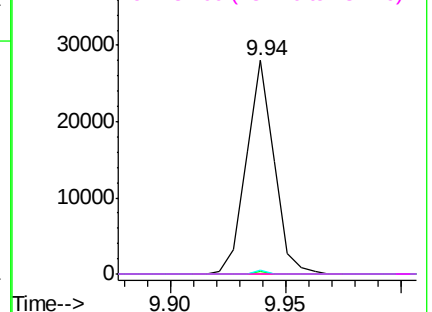


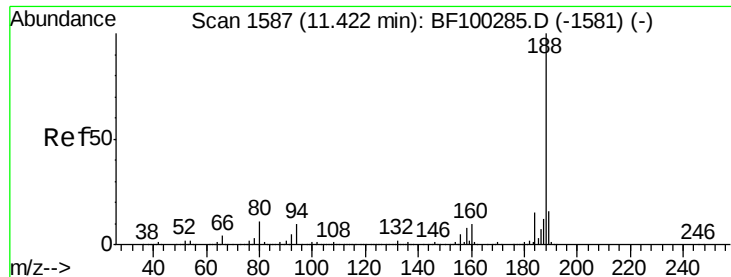
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

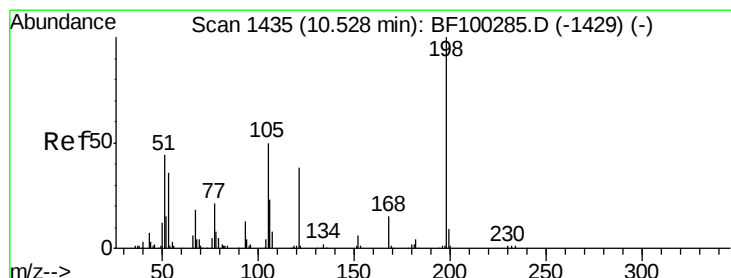
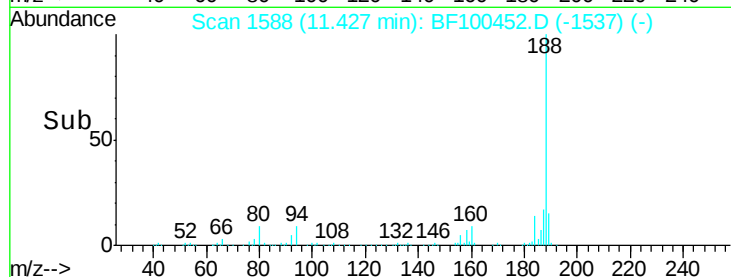
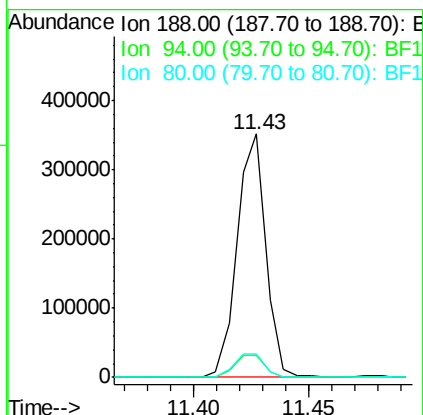
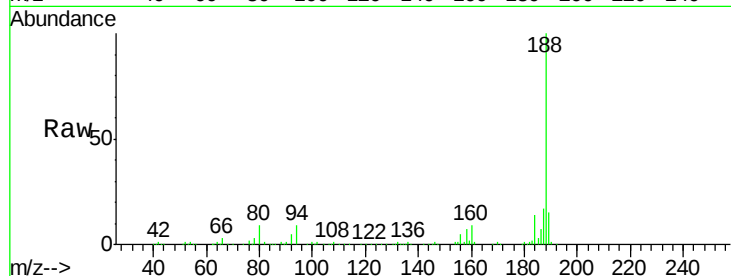




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.00 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

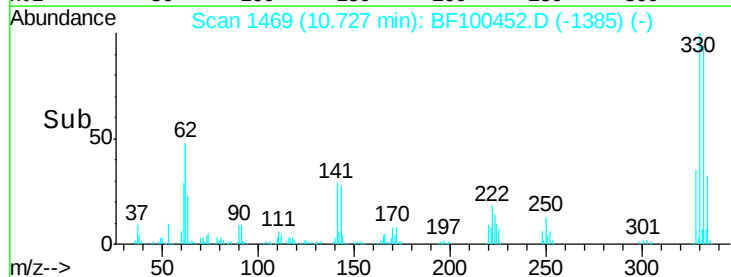
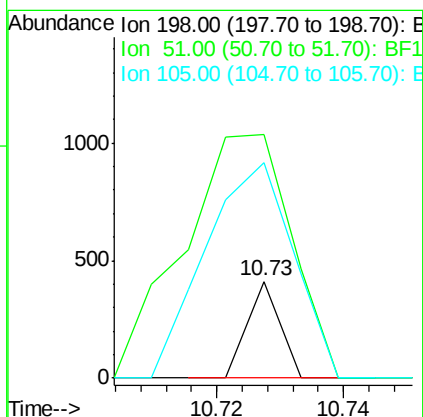
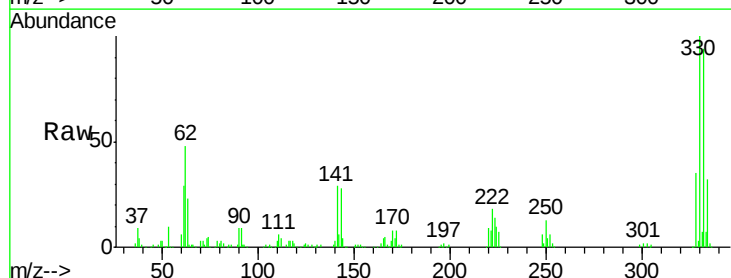
Instrument :
BNA_F
ClientSampleId :
LS-CONCRETE

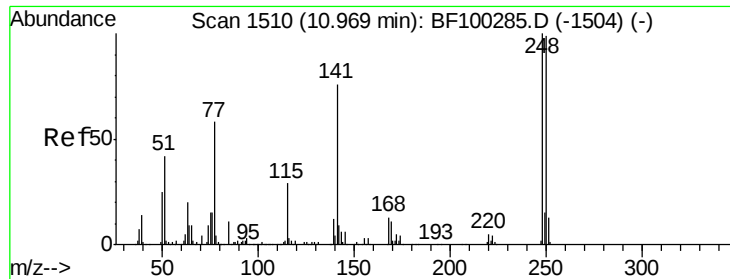
Tgt Ion:188 Resp: 305257
Ion Ratio Lower Upper
188 100
94 9.0 8.5 12.7
80 9.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 8.65 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.19 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

Tgt Ion:198 Resp: 145
Ion Ratio Lower Upper
198 100
51 252.1 37.7 77.7#
105 222.4 36.3 76.3#

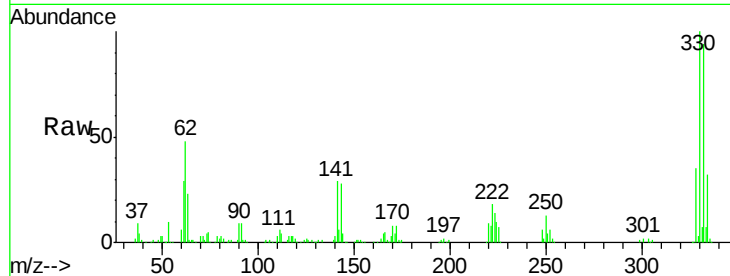




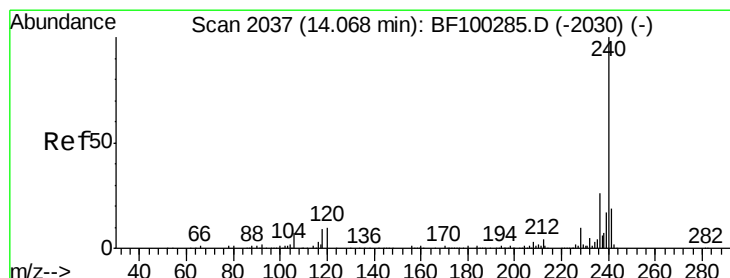
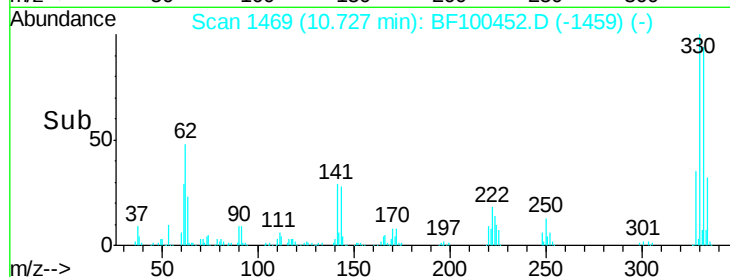
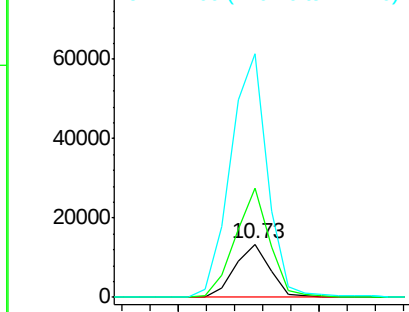
#66
4-Bromophenyl-phenylether
Concen: 3.54 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.24 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

Instrument :
BNA_F
ClientSampleId :
LS-CONCRETE

Tgt Ion:248 Resp: 11578
Ion Ratio Lower Upper
248 100
250 204.9 76.9 115.3#
141 456.2 74.4 111.6#

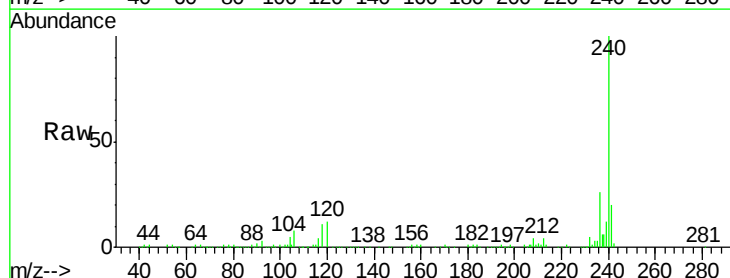


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

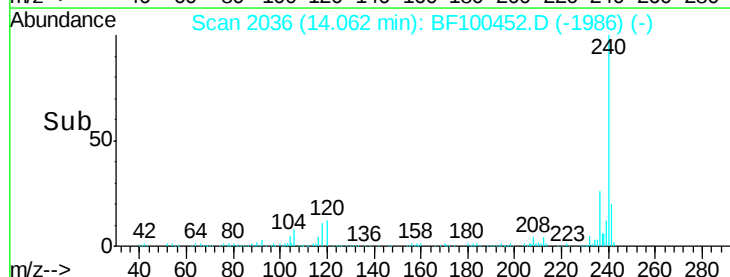
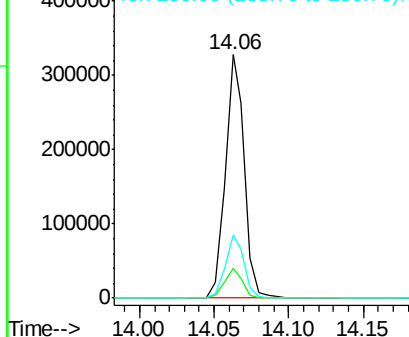


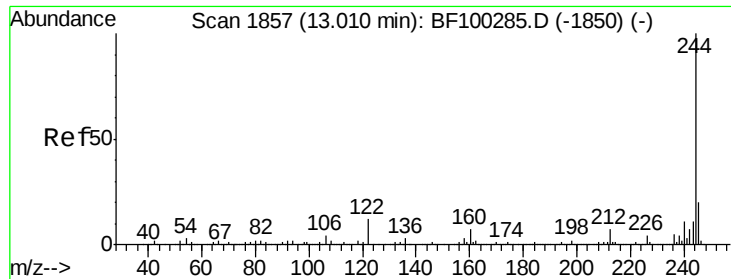
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF100452.D
Acq: 11 Nov 2017 20:24

Tgt Ion:240 Resp: 293215
Ion Ratio Lower Upper
240 100
120 12.5 9.5 14.3
236 25.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

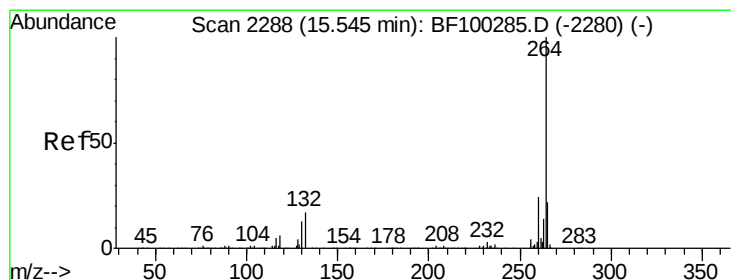
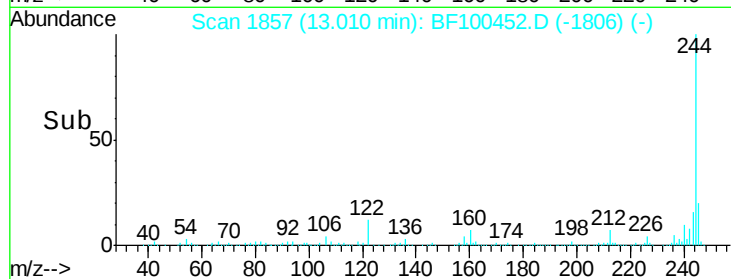
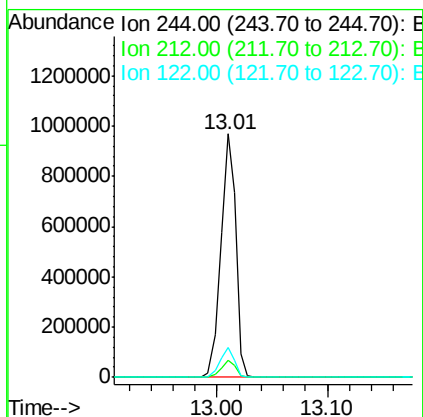
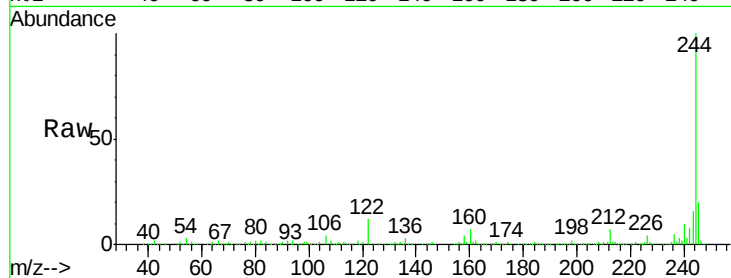




#78
 Terphenyl-d14
 Concen: 71.28 ng
 RT: 13.01 min Scan# 1857
 Delta R.T. -0.00 min
 Lab File: BF100452.D
 Acq: 11 Nov 2017 20:24

Instrument :
 BNA_F
 ClientSampleId :
 LS-CONCRETE

Tgt Ion:244 Resp: 909670
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.1 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.01 min
 Lab File: BF100452.D
 Acq: 11 Nov 2017 20:24

Tgt Ion:264 Resp: 210597
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 21.9 17.5 26.3

